



CofC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 7,155,518) Serial No. 09/755,027
Inventor(s): Jan FORSLOW) Filed: January 8, 2001
Issue Date: December 26, 2006) Attorney Docket No. 000254.00012

For: EXTRANET WORKGROUP FORMATION ACROSS MULTIPLE MOBILE VIRTUAL PRIVATE NETWORKS

REQUEST FOR CERTIFICATE OF CORRECTION

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building, Mail Stop: Certificate of Correction Branch
401 Dulany Street
Alexandria, VA 22314

Certificate
SEP 10 2007
of Correction

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, this is a request for the issuance of a Certificate of Correction in the above-identified patent. Two (2) copies of PTO Form 1050 are appended. The complete Certificate of Correction involves 1 page.

The mistake identified in the appended Form occurred through no fault of the Applicant, as clearly disclosed by the records of the application, which matured into this patent. Enclosed for your convenience are the relevant parts of the Reply to Office Action of April 26, 2006.

Issuance of the Certificate of Correction containing the correction is respectfully requested. Since this change is necessitated through no fault of the Applicant, no fee is believed to be associated with this request. Nonetheless, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

By: 
C. Andy Mu
Registration No. 58,216

Dated: September 5, 2007
Banner & Witcoff, Ltd
1100 13th Street, N.W., Suite 1200
Washington, D.C. 20005-4051
(202) 824-3000

SEP 10 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.: 7,155,518

DATED: December 26, 2006

INVENTOR(S): Jan FORSLOW

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Claim 23, Column 24, Line 23:

Please delete "routers alone a path" and insert --routers along a path--

Mailing Address of Sender:

Banner & Witcoff, Ltd.
11th Floor
1001 G Street, N.W.
Washington, DC 20001-4597

U.S. PAT. NO 7,155,518

No. of add'l copies
@ \$0.50 per page

FORM PTO 1050 (Rev.2-93)

SEP 10 2007

TO: Auto reply fax to 202 824 3001 COMPANY:



Auto-Reply Facsimile Transmission

TO: Fax Sender at 202 824 3001

Fax Information

Date Received:

Total Pages:

8/28/2006 4:56:19 PM [Eastern Daylight Time]

18 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page
=====>

08/28/2006 10:56 FAX 202 824 3001		BANNER & WITCOFF	00017018
 BANNER & WITCOFF, LTD. INTELLECTUAL PROPERTY LAW 1001 G STREET, N.W. WASHINGTON, D.C. 20001-4597 TEL: 202-824-3000 FAX: 202-824-3001 www.bannerwitcoff.com			
FACSIMILE TRANSMITTAL SHEET			
TO:	FROM:		
Central Fax	Chunhsia Andy Mu		
COMPANY:	DATE:		
USPTO	August 28, 2006		
FAX NO.:	TOTAL NO. OF PAGES: (including cover sheet)		
571-273-8300	18		
OUR REFERENCE (C/M) NO.: 000254.00012			
RE: U.S. Application No. 09/755,027			
If you do not receive all page(s) or have any problems receiving this transmission, please call:			
NAME:		PHONE:	
Andy Mu		202-824-3156	
COMMENTS:			
I hereby certify that the following correspondence is being facsimile transmitted to the Patent and Trademark Office on August 28, 2006, at 571-273-8300:			
1. Facsimile Certificate of Transmission (on this cover sheet) 2. Transmittal form 3. Fee Transmittal 4. Petition for Extension of Time 5. Notice of Appeal 6. Amendment <i>Chunhsia Andy Mu</i> Chunhsia Andy Mu, Reg. No. 58,216			
Important/Confidential: This message is intended only for the use of the individual or entity to whom it is addressed. This message contains information from the law firm of Banner & Witcoff, Ltd. which may be privileged, confidential or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, retention, archiving, or copying of the communication is strictly prohibited. If you have received this communication in error, please notify us immediately at our telephone number listed above. We will be happy to arrange for the return of this message to our office at no cost to you.			
CHICAGO	WASHINGTON, D.C.	BOSTON	PORTLAND, OR

SEP 10 2007



BANNER & WITCOFF, LTD.
INTELLECTUAL PROPERTY LAW

1001 G STREET, N.W.
WASHINGTON, D.C. 20001-4597

TEL: 202-824-3000
FAX: 202-824-3001
www.bannerwitcoff.com

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Central Fax	Chunhsing Andy Mu
COMPANY:	DATE:
USPTO	August 28, 2006
FAX NO.:	TOTAL NO. OF PAGES: (including cover sheet)
571-273-8300	18
OUR REFERENCE (C/M) NO.: 000254.00012	

RE: U.S. Application No. 09/755,027

If you do not receive all page(s) or have any problems receiving this transmission, please call:

NAME:	PHONE:
Andy Mu	202-824-3156

COMMENTS:

I hereby certify that the following correspondence is being facsimile transmitted to the Patent and Trademark Office on August 28, 2006, at 571-273-8300:

1. Facsimile Certificate of Transmission (on this cover sheet)
2. Transmittal form
3. Fee Transmittal
4. Petition for Extension of Time
5. Notice of Appeal
6. Amendment



Chunhsing Andy Mu, Reg. No. 58,216

SEP 10 2007

Important/Confidential: This message is intended only for the use of the individual or entity to whom it is addressed. This message contains information from the law firm of Banner & Witcoff, Ltd. which may be privileged, confidential or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, retention, archiving, or copying of the communication is strictly prohibited. If you have received this communication in error, please notify us immediately at our telephone number listed above. We will be happy to arrange for the return of this message to our offices at no cost to you.

CHICAGO

WASHINGTON, D.C.

BOSTON

PORLAND, OR



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 17 Attorney Docket Number 000254.00012

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Notice of Appeal
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Chunhsy Andy Mu		
Date	August 28, 2006	Reg. No.	58,216

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Chunhsy Andy Mu	Date	August 28, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 10 2007

86. (Previously Presented) The routing system of claim 85, wherein a source sequence number in the route request to an active peer is set equal to the new destination sequence number of the mobile node.

87. (Currently Amended) ~~The A mobile routing system, comprising:~~ ~~of claim 86,~~
~~a mobile node;~~

a plurality of sinks in a computer network, the plurality of sinks including a plurality of mobile routers; and

memory storing computer readable instructions, that, when executed by the processor, cause the routing system to perform a method that includes the steps of:

detecting movement of the mobile node between the plurality of sinks in the computer network; and

maintaining a connection by maintaining a stable IP address for the mobile node and sustaining, without packet loss, one or more active application sessions between the mobile node and one or more active peers upon detecting movement of the mobile node in accordance with a predefined reactive routing protocol,

wherein the reactive routing protocol includes an Ad-hoc On-Demand Distance Vector (AODV) protocol,

wherein the routing system is further configured to extend the reactive protocol with a proactive routing update for the one or more active peers upon detecting movement of the mobile node from an old sink to a new sink,

wherein the mobile node transmits an initial message to the new sink with a destination sequence number set equal to a destination sequence number of a last registration reply that was distributed via the old sink,

wherein the new sink treats the message as an indication that the mobile node is requesting the new sink to act as the mobile node's ingress router in the routing system network,

wherein the new sink transmits an unsolicited route reply toward the old sink if it has an existing route toward the mobile node in a routing table of the new sink and if the destination sequence number is the same for the route as the one received from the mobile node in the initial message.

wherein the new sink sends a route request with a destination sequence number set to the same value as the sequence number received from the mobile node in the initial message,

wherein the old sink or a mobility router along a path to the old sink, responds with a route reply message,

wherein the new sink sends an unsolicited route reply message for the mobile node destination with the route request source IP address set to the old sink and the destination sequence number incremented by one,

wherein the old sink and one or more mobility routers along the path to the old sink and one or more mobility routers along a path to the new sink are updated with a new route having a preferred destination sequence number,

wherein the old sink forwards packets destined to the mobile node along a route via the new sink,

SEP 10 2007

wherein a route reply is sent from the old sink via the new sink to the mobile node to indicate that a handover procedure has been successful and wherein the new sink sends a route error to the mobile node if it cannot reach the old sink,

wherein the mobile node migrates a forwarding of datagrams from a link of the old sink to a link of the new sink,

wherein the mobile node determines an optimized path toward active peers by initiating route requests toward the active peers,

wherein a source sequence number in the route request to an active peer is set equal to the new destination sequence number of the mobile node, and

wherein one or more replies to the route request establishes a bi-directional, optimal path between the mobile node and the one or more active peers.

88. (Currently Amended) The routing system of claim 72, wherein a mobile service router sink also acts as a proxy for mobility routing protocol exchanges between the mobile node and the network in that the mobile service router sink initiates a route request on behalf of the mobile node upon receipt of a datagram from the mobile node not compliant with an adhoc routing protocol applied in the computer network.

89. (Previously Presented) The routing system of claim 88, wherein the mobile node uses a Dynamic Host Configuration Protocol (DHCP) request as an initial message to the new sink.